

Anti-AKT2 Antibody Picoband® (monoclonal, 10C6) Biotin Conjugated

Catalog Number: M00725-1-Biotin

About AKT2

AKT2 is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. This gene is mapped to 19q13.2. AKT2 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. AKT2 seems also to be the principal isoform responsible of the regulation of glucose uptake. AKT2 is also specifically involved in skeletal muscle differentiation, one of its substrates in this process being ANKRD2. Overexpression of AKT2 contributes to the malignant phenotype of a subset of human ductal pancreatic cancers.

Overview

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| Product Name | Anti-AKT2 Antibody Picoband® (monoclonal, 10C6) Biotin Conjugated |
| Reactive Species | Human |
| Clonality | Monoclonal 10C6 |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Mouse |
| Uniprot ID | P31751 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human AKT2, different from the related mouse sequence by two amino acids, and from the related rat sequence by one amino acid. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Mouse IgG1 |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Affinity-chromatography |
| Conjugate | Biotin |
| Suggested Dilutions | The intended application should be selected according to the customer's experimental requirements. |

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Anti-AKT2 Antibody (monoclonal, 10C6) - Biotin

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